Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No. 2nd & Final Bill

Date.....2019

Zone:**BBMP,Yelahanka** Division:**BBMP, Byatarayanapura** Sub-Division:**BBMP, Kodigehalli**

Bill Received No. Dated Divisional / Sub-Divisional

Cash Book Voucher No.....Dated.....

Job Code: 007-18-000048, 007-18-000053, 007-18-000054, 007-18-000055

Schedule Docket No. Head of Account: P 3111 Est.Cost: Rs.195.00 Lakhs D.R.NO.:

Name of Work : Package-4, includes 4 works of Rs 195.00 Lks. 1) Improvements to roads and drains near Hebbal Shanimahatma Temple in Hebbal in Ward No 07, Byatarayanapura, 2) Improvements to roads and drains Amruthahalli gramatana (Pending works) and surrounding areas in ward no 07, Byatarayanapura, 3) Improvements to roads and Drains in Sanjeevininagara, Byatarayanapura and Kempapura in ward no 07, Byatarayanapura, 4) Improvements to Drain Hoysala Apartment towards Byatarayanapura Village in ward no 07, Byatarayanapura

Name of Contractor and Full Address: Abhijit.A, No 09, Gurushree Nilaya , 5th Cross, 80 Feet Road, Padmanabhanagara - 560070

Reference to Agreement No. BBMP/EE/BTP/WO/159/2018-19 Date: 31.10.2018

Certified that the measurements were taken by me on: 10-7-19 and recorded of Pages **496723** to **496734** of measurement Book No. **4968/2018-19** and that work is satisfactorily executed.

Contractor

Asst.E.E. N.D AE(W) 10/7

Officer-in-charge of work

Certified that measurement were taken by me on 10/7/19 /2019 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Accont have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Assistant Executive Engineer
Sub-Division Officer
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

1) Total value of work done or supplies made as per account within	Total Bill Amount	17266992:00
2) Deduct amount to be held in reserve being.....Percent Rs.....	1st part	12723112:00
3) " Balance	2nd & Final	4543880:00
4) Deduct Payment:		
a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D.No..... adjusted towards cash advance recovery of	IT	45439:00
	LC	45439:00
b) Payments cost store or other material supplied.	CBF	4544:00
Now made recovery of amount creditable to this /other work	CGST	40570:00
Amount paid on this bill Cheque/Cash.	SGST	40570:00
5) Balance being unpaid value of work done held in reserve.	LR	45545:00
6) Deduct cash advance made on the Office cash Book Voucher No..... dated .....less adjustments.	Total amount adjusted	220107:00
7) Net amount due to or from Contractor unadjustments items.	Net	4323773:00
8) Advance to Contractor for materials brought to site (as detailed) within		
9) Value of Government materials supplied.		

Contractor's Signature

Received Rs.....(in words).....
.....
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands)

Witness
1
2

Dated Signature of Contractor
Paid by me by Cheque No.....Dated.....
Cash Rs.....
Dated.....

Stamp

(For use in the Office)

4543880:00
220107:00
4323773

Forty three lakhs Twenty three thousand Seven hundred Seventy three only

17/07

Sl. No.	Items grouped under sub-Heads and Sub-Works of the Estimate Description	Unit
1	Earthwork excavation by manual means in rodinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications.. Pg No.141.Item No.19.1)	Cum
2	KSRRB 300-1. Earthwork excavation by manual means in rodinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications.. Pg No.141.Item No.19.1)	Cum
3	Removing & Refixing Stone slabs of drains and Pointing in C.M(1:3) (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17)	Sqm
	Above 125%	
4	Providing granite slabs of selected quality roughly dressed and fixed in cementer mortar (1:6) including fixing curing etc., complete. Pg No.25, Item No.5.31.1 (7.5 cms thick)	Sqm
5	KSRB 4-1.3: Providing and laying in position plain cement concrete of nominal mix 1:4:8 using 40mm and down size graded granite metal machine mixed, conrete laid in layers not exceeding 15 cms. Thick well compacted in foundation and plinth, including cost of all materials labour, HOM of machinery, curing complete as per specification . (Pg.No.12, It.4.3)	Cum
6	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53cum, machine mixed concrete laid in layers not exceeding 15cms thick well compacted in foundation plinth and cills including cost of all materials, labour HOM of machinery curing complete as per specifications.(Item No.4.6, Page No.12)	Cum
	Qty Above 125%	Cum
7	KSRB 5.3-1:Providing and constructing granite /trap/basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20cms hign, bond stones at two m apart in each course including cost of materials, labour, curing etc., complete as per specifications.(P-23. Item No. 5.6)	Cum
	Qty Above 125%	
8	Providing and constructing granite/trap/basalt size stone masonry in superstructure with cement mortar 1:4, edges of stones chistle dressed in courses not less than 15cms high, bond stones at two m. apart in each course including cost of materials, labour, Scaffolding, curing etc., complete as per specifications.	
	Qty Above 125%	
9	KSRB 5.3-1:Providing ruled pointing of course stone msonry with cement mortar 1:3 20 mm deep, after raking joints to depth of 20 mm nicley lining, including cost of materials, labour, curing etc., complete as per specifications and directions of the engineer-in-charge. (P-112, Item No. 15.8)	Sqm
	Qty Above 125%	
10	Cement concrete pavement. Construction of un-reinfirced plain cement concrete pavement, thickness as per deisgn, over a prepraed sub base with OPC cement or any other type as per clause 1051..2.2 with 25mm and down size graded granite metal coarse aggregates and fine aggregates ,with superplastiser @ 3lts confirming to IS9103-1999 REAFFIRMED-2008, Mixed in a concrete mixer of not less than 0.6 cum capacity and approximate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates inlcuding levelling the form work as per drawing) and spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continous operation including, provision of contraction, expansion, construction operation including longitudinal joints, including groove cutting charges joint filler, sparation menebrane, sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specfication.M20 (AT 300 Kg per cum coarse aggregats @ 0.69cum and fine aggregate @0.43cum) (Pg No.177, It No.22.6.2)	Cum

Previous Measurement			Present Measurement			Total Upto Date	
Qty	Rate Rs. P.	Amount	Qty	Rate Rs. P.	Amount	Qty	Cost
1746.5	86.00	150199	0	86.00	0.00	1746.5	150199.00
431.91	166.00	71697.06	561.23	166.00	93164.18	993.14	164861.24
498.96	80.00	39916.8	124.74	80.00	9979.20	623.7	49896.00
0	78.95	0	136.35	78.95	10764.83	136.35	10764.83
295.44	660.00	194990.4	21.41	660.00	14130.60	316.85	209121.00
844.52	5000.00	4222600	180.88	5000.00	904400.00	1025.4	5127000.00
16.38	5750.00	94185	4.1	5750.00	23575.00	20.48	117760.00
0	5652.00	0	6.75	5652.00	38151.00	6.75	38151.00
31.59	4400.00	138996	7.9	4400.00	34760.00	39.49	173756.00
0	4349.37	0	62.03	4349.37	269791.42	62.03	269791.42
28.35	4250.00	120487.5	7.09	4250.00	30132.50	35.44	150620.00
0	5790.15	0	5.15	5790.15	29819.27	5.15	29819.27
238.2	35.00	8337	59.55	35.00	2084.25	297.75	10421.25
0	36.36	0	496.05	36.36	18036.38	496.05	18036.38
562.85	5400.00	3039390 3029336	92.9	5400.00	501660.00	655.75	3541050.00

11	Vaccum De-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cst of generator, HOM of machinery screed vibaratory, power floater, blade and disc etc., with all leads and lift. (P177, It No. 22.7)	Sqm
	Qty Above 125%	
12	KSSRB M 400-17: Providing laying, spreading and compacting graded fine aggregate to wet mix macadam specificationns including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surfce and compating with vibratory roller to achieve the desired density complete as per specifications. MORTH specifications no. 406(P-157., It No: 20.18)	Cum
13	KSRRB 500-07: Providing and applying primer coat with SS bitumen emulsion on prepared surface o fgranular sub base such as WMM including cleaning of road surface and spraying primer at the rate of 0.6kg/m using mechanical means complete as per specifications., Pg No. 161. Item No. 21.6)	Sqm
14	Providing and laying bituminous concrete40MM thick with hotmix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filleeer, transporting of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with paver finisher to the required gradde, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to acheive the desired compaction as per MORTH specifications clause No.509 complete in all respects complete as per specifications. using 40/60 TPH capacity H.M.P with mechanical paver Gr-11(30mm to 45mm) with 5.4% of modified binder consisting of 4.97% VG-10 bitumen (80/100) grade and 0.43% of plastomeric thermoplastics(Waste plastic)(Page No.172, It No.21.78.6)	Cum
15	KSRB 4.2.2: Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastizers @ 3lts confirming to IS 9103-1999 RE affirmed - 2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, stair case lintels, retaining walls return walls, walls(anythickness) including attached plasters columns piers abutments pillars posts struts butresses string or lacing courses parapets copings, bed blocks , plain windows cills fillets etc., including cost of all materials labour HOM of machinery curing complete as per specifications. Seocifications No. KBS 4.1,4.6 (Page NO. 13, Item NO. 4.11)	cum
	Qty Above 125%	
16	Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.(Page No.17, Item No.17)	tonne
17	Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular slabs /side walls polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge.(Page No.16, Item NO.4.32)	Sqm
18	KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (Page 118, item No. 17.1)	Sqm
19	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm
20	Providing and fixing 20 cm thick pre cast RCC covering slab using reinforced cement concrete M 20 mix with stone aggregate 20 mm and down size including centring shuttering reinforcement and bar bending machine mixed concrete laid in layers not exceeding 15 cm thick wellcompacted cost of all materials labour curing comlete as per specification (Data Rate)	Sqm

4898.5	95.00	465357.5	1224.63	95.00	116339.85	6123.13	581697.35
0	93.49	0	434.25	93.49	40598.03	434.25	40598.03
198.83	1750.00	347952.5	0	1750.00	0.00	198.83	347952.50
994.17	27.00	26842.59	0	27.00	0.00	994.17	26842.59
39.77	7100.00	282367	0	7100.00	0.00	39.77	282367.00
0	6300.00	0	100.13	6300.00	630819.00	100.13	630819.00
0	6244.10	0	23.31	6244.10	145549.97	23.31	145549.97
0	64000.00	0	6.24	64000.00	399360.00	6.24	399360.00
0	380.00	0	410.88	380.00	156134.40	410.88	156134.40
1679.43	95.50	160385.565	612.3	95.50	58474.65	2291.73	218860.22
0	1834.00	0	270.99	1834.00	496995.66	270.99	496995.66
0	5111.00	0	6	5111.00	30666.00	6	30666.00

E2	21	Dismantling of cement concrete pavement by mechanical means using Pneumatic tools, breaking to pieces not exceeding 0.20cm in volume and stock piling at designated locations and disposal of dismantled materials upto a lead of 1000 meters, stacking serviceable and unserviceable materials seperately complete as per specifications and as per the direction of Engineer in charge of the work. complete	Cum
E3	22	Construction of Emabnkment with approved material Gravel/Murrum with all lifts and leads, transporting to site, sptreading, grading to required slope and compacting to meet requirement Tand as per the direction of Engineer in charge of the work. Complete	Sqm
E1		Providing and fixing 20 cm thick pre cast RCC covering slab using reinforced cement concrete M 20 mix with stone aggregate 20 mm and down size including centring shuttering reinforcement and bar bending machine mixed concrete laid in layers not exceeding 15 cm thick wellcompacted cost of all materials labour curing comlete as per specification (Data Rate)	Sqm
		Total	

CRTIFICATE:

1. Certified that the above work done satisfactory and no materials issued from Department

Asstlly .N.D
AE(Ast)

0	827.86	0	410.65	827.86	339960.71	410.65	339960.71
0	350.86	0	425.28	350.86	149213.74	425.28	149213.74
657.3	5111.00	3359460.3	0	657.30	0.00	657.3	3359460.3 432043.29
		12723164.22			**4544467.90**		**17267632.12**

12723112:00 4543880:00 17266992:00

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092